

## INTERNATIONAL SEARCH REPORT

national Application No

PCT/US2004/027434

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04N7/26 H04N7/36

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| Y          | EP 0 727 910 A (THOMSON MULTIMEDIA SA)<br>21 August 1996 (1996-08-21)<br>abstract; claims 1-17<br>page 3, line 44 -page 4, line 19<br>---  | 1-33                  |
| Y          | FLIERL M ET AL: "A locally optimal design<br>algorithm for block-based multi-hypothesis<br>motion-compensated prediction"<br>DATA COMPRESSION CONFERENCE, 1998. DCC<br>'98. PROCEEDINGS SNOWBIRD, UT, USA 30<br>MARCH-1 APRIL 1998, LOS ALAMITOS, CA,<br>USA, IEEE COMPUT. SOC, US,<br>30 March 1998 (1998-03-30), pages<br>239-248, XP010276624<br>ISBN: 0-8186-8406-2<br>page 239, paragraph 1 -page 245, paragraph<br>4.2<br>---<br>-/- | 1-33                  |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

16 November 2004

Date of mailing of the international search report

23/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Schoeyer, M

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/027434

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | AL-MUALLA M E ET AL: "Multiple-reference temporal error concealment"<br>ISCAS 2001. PROCEEDINGS OF THE 2001 IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS. SYDNEY, AUSTRALIA, MAY 6 - 9, 2001, IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS, NEW YORK, NY : IEEE, US,<br>vol. VOL. 1 OF 5, 6 May 2001 (2001-05-06), pages 149-152, XP010542054<br>ISBN: 0-7803-6685-9<br>the whole document | 1-33                  |
| A          | WIEGAND T ET AL: "OVERVIEW OF THE H.264/AVC VIDEO CODING STANDARD"<br>IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US,<br>vol. 13, no. 7, July 2003 (2003-07), pages 560-576, XP001169882<br>ISSN: 1051-8215<br>the whole document  | 1-33                  |
| A          | SCHWARZ, HEIKO; WIEGAND, THOMAS: "CORE EXPERIMENT RESULTS ON IMPROVED MACROBLOCK PREDICTION MODES"<br>ITU STUDY GROUP 16,<br>29 January 2002 (2002-01-29)<br>- 1 February 2002 (2002-02-01), pages 1-12, XP002305845<br>GENEVA, CH<br>the whole document   | 1-33                  |
| A          | SCHWARZ, HEIKO; WIEGAND, THOMAS: "TREE STRUCTURED MACROBLOCK PARTITION"<br>ITU STUDY GROUP 16,<br>4 - 6 December 2001, pages 1-9, XP002305846<br>PATTAYA, THAILAND<br>the whole document   | 1-33                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/027434

| Patent document<br>cited in search report |   | Publication<br>date |    | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----|----------------------------|---------------------|
| EP 0727910                                | A | 21-08-1996          | US | 5621467 A                  | 15-04-1997          |
|   |   |                     | CN | 1141561 A ,C               | 29-01-1997          |
|   |   |                     | EP | 0727910 A2                 | 21-08-1996          |
|   |   |                     | JP | 8256311 A                  | 01-10-1996          |
|   |   |                     | SG | 73362 A1                   | 20-06-2000          |

---